

MIKUNIS, R. I.

KAMNETSKIY, S. I., dotsent; MIKUNIS, R. I., kandidat meditsinskikh nauk

Clinical aspects of acute hepatic dystrophy in Botkin's disease.
Vrach.delo no.11:1201-1203 N '56. (MIRA 10:3)

1. Kafedra fakul'tetskoy terapii (zaveduyushchiy - professor
B.S.Shklyar) Vinnitskogo meditsinskogo instituta.
(HEPATITIS, INFECTIOUS)

SHKLYAR, B.S., prof., MIKUNIS, R.I., kand.med.nauk

Oscillographic method in studying arterial tone. Vrach.delo
no.3:237-241 Mr'58 (MIRA 11:5)

1. Kafedra fakul'tetskoy terapii (zav. - prof. B.S. Shklyar)
Vinnitskogo meditsinskogo instituta.
(ARTERIES)
(OSCILLOGRAPHY)

SHKLYAR, B.S., prof. MIKUNIS, R.I., kand.med.nauk

Effect of various doses of adrenaline on the tonus of the brachial artery in hypertensives. Vrach.delo no.6:589-593 Jo '58 (MIRA 11:7)

1. Kafedra fakul'tetskoy terapii (zav. - prof. B.S. Shklyar)
Vinnitskogo meditsinskogo instituta.
(ADRENALINE)
(BRACHIAL ARTERY)

MIKUNIS, R.I., kand.med.nauk,

Differential diagnosis of peptic ulcer and cancer of the stomach
Vrach.delo no.10:1035-1037 O '58 (MIRA 11:11)

1. Klinika fakul'tetskoy terapii (zav. - prof. B.S. Shklyar)
Vinnitskogo meditsinskogo instituta.
(PEPTIC ULCER)
(STOMACH--CANCER)

MIKUNIS, R.I., kand.med.nauk

Influence of small doses of adrenaline on coronary circulation in hypertension patients. Vrach.delo no.11:1209-1211 N '59.

(MIRA 13:4)

1. Kafedra fakul'tetskoy terapii (zaveduyushchiy - prof. B.S. Shklyar) Vinnitskogo meditsinskogo instituta.

(ADRENALINE)

(BLOOD--CIRCULATION)

(HYPERTENSION)

SHKLYAR, B.S., prof.; MIKUNIS, R.I., kand.med.nauk

Use of small doses of adrenaline in treating hypertension.
Vrach.delo no.7:15-20 J1 '60. (MIRA 13:7)

1. Kafedra fakul'tetskoy terapii (saveduyushchiy - prof. B.S.
Shklyar) Vinnitskogo meditsinskogo instituta
(ADRENALINE) (HYPERTENSION)

MIKUNIS, R.I., kand.med.nauk

Importance of paper electrophoresis in the diagnosis of the active phase of the rheumatic process. Vrach. delo no.9:33-36 S '60.

(MIRA 13:9)

1. Kafedra fakul'tetskoy terapii (sav. - prof. B.S. Shklyar)
Vinnitskogo meditsinskogo instituta.

(RHEUMATIC HEART DISEASE)

(PAPER ELECTROPHORESIS)

MIKUNIS, R.I., dotsent (Vinnitsa)

Diagnostic significance of immune body titer and transaminase activity in the blood in diagnosing the phase of rheumatic fever.
Klin.med. no.1:77-84 '62. (MIRA 15:1)

1. Iz kafedry fakul'tetskoy terapii (zav. - prof. B.S. Shklyar [deceased]) Vinnitskogo meditsinskogo instituta (dir. - dotsent S.I. Korkhov).

(RHEUMATIC HEART DISEASE) (TRANSAMINASES)
(ANTIGENS AND ANTIBODIES)

DANILENKO, M.V., prof.; MIKUNIS, R.I., dotsent

Late results of commissurotomy in heart defects. Vrach.delo
no.8:56-60 Ag '62. (MIRA 15:11)

1. Kafedra fakul'tetskoy terapii (zav. - prof. B.S.Shklyar
[deceased]) i kafedra gosital'noy khirurgii (zav. - prof. M.V.
Danilenko) Vinnitskogo meditsinskogo instituta.
(MITRAL VALVE—SURGERY)
(HEART—DISEASES)

MIKUNIS, R.I., dotsent; SHEVERDA, M.G.

Water, protein and lipid metabolism in hypertension. Vrach.delo
no.10:35-40 O '62. (MIRA 15:10)

1. Kafedra fakul'tetskoy terapii (zav. - prof. B.S.Shklyar
[deceased]) Vinnitskogo meditsinskogo instituta.
(HYPERTENSION) (LIPID METABOLISM) (PROTEIN METABOLISM)
(WATER METABOLISM)

MIKUNIS, R.I., dotsent; SHEVCHENKO, N.M.; LIPNITSKIY, T.N.

Systolic murmur in mitral stenosis. Vrach.delo no.1:125-127
Ja '63. (MIRA 16:2)

1. Kafedra fakul'tetskoy terapii (zav. - prof. B.S. Shklyar
[deceased]) i kafedra fakul'tetskoy khirurgii (zav. - prof.
I.M. Grabchenko) Vinnitskogo meditsinskogo instituta.
(HEART —SOUNDS) (MITRAL VALVE—DISEASES)

MIKUNIS, R.I., dotsent; SHLAFMAN, I.I.; STRIZHEVSKAYA, A.Z.

Rheumocarditis during the interparoxysmal period. Vrach.
delo no.7:9-12 J1'63. (MIRA 16:10)

1. Kafedra fakul'tetskoy terapii (zav. - prof. B.S.Sklyar
[deceased] Vinnitskogo meditsinskogo instituta i 3-ya go-
rods kaya bol'nitsa.
(RHEUMATIC HEART DISEASE)

MIKUNIS, S.I., inzh.

Unbalance and problems of the stability of a rotor with slide bearings.
Elek. sta. 35 no.7:57-60 J1 '64. (MIRA 17:11)

MIKUNIS, S.I.,

Technology of the dynamic balancing of turbomachinery rotors at
the installation site. Elek.sta. 32 no.9:55-59 S '61.
(MIRA 14:10)

(Balancing of machinery)
(Turbomachines)

MIKUNIS, S.I., inzh.

Balancing flexible runners of turbine units. Vest.mash. 41 no.9:
13-19 S '61. (MIRA 14:9)

(Balancing of machinery)

Mikunov, M. F.

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 5, 15-57-5-6111
pp 57-58 (USSR)

AUTHORS: Vasyutina, L. G., Mikunov, M. F.

TITLE: The Serzhinskiy Granitoidal Massiv (Mass) in Rudnyy
Altai (Serzhinskiy massiv granitoidov na Rudnom Altay)

PERIODICAL: Tr. Mosk. geol-razved. in-ta, 1956, Vol 29, pp 84-90.

ABSTRACT: The Serzhinskiy granitoidal mass occurs in the axial part of the Zmeinogorsk-Bystrushinskiy sinklinariy (synclinalorium), which occupies an area of approximately 400 km². The mass includes three groups of intrusive rocks, each of a different age. A pre-Zmeinogorsk intrusive complex consists of basic rocks (gabbros, gabbro-norites, and gabbro-diorites) that cut formations of Upper Devonian age. The pre-Zmeinogorsk rocks that formed independent intrusive bodies are characterized by an absence of hybridism. Rocks of the Zmeinogorsk intrusive complex are most widely developed in granitoidal rocks of the Serzhinskiy mass and were formed in

Card 1/3

15-57-5-6111

The Serzhinskiy Granitoidal Massiv (Cont.)

two successive stages of intrusion. Rocks of the first phase are characterized by highly variable composition (granodiorites, tonalites, diorites, quartz diorites, granites, and plagioclase granites), variable texture and mineral composition, and a number of other distinctive features, pointing to the hybrid nature of the rocks of this phase, associated with intensive assimilation of the roof rocks. The rocks of the second phase of the Zmeinogorsk intrusive complex consist predominantly of biotite-hornblende and hornblende granites, rarely of plagioclase granites and granodiorites. Intrusions of both phases of the Zmeinogorsk complex are accompanied by related dike rocks (granites, aplites, granite porphyries, diorite porphyries, spessartites, and gabbro-diabases). The sequential intrusion of these rocks was accompanied by a change in their composition from acidic to basic. Granitoidal rocks of the Kalbinskiy intrusive complex were formed also in several successive phases of intrusion with a change in the rock composition from basic to more acidic. The earliest intrusions of the Kalbinskiy complex occur in the central part of the Serzhinskiy mass and are represented by fine-grained granodiorites and hornblende granites. Intrusions of the succeeding phases are composed of light gray biotite-microcline granites, uniform in

Card 2/3

15-57-5-6111

The Serzhinskiy Granitoidal Massiv (Cont.)

composition. They include gently-inclined tabular cupola-like curved bodies, that occur at the contact between intrusions of granitoidal rocks of a late phase of the Zmeinogorsk complex (roof rocks) and an early phase of the Kalbinskiy complex (sole rocks) and are known under the term Chashinskaya intrusion. The third phase of development of the Kalbin⁸²¹⁷ complex includes intrusions of coarse-grained rose-colored alaskitic microcline granites that have the form of stocks and large dikes. Thus, the Serzhinskiy mass originated over a long geological time and the stages of formation were determined by definite stages in the development of tectonic movements.

Card 3/3

O. V. B.

MIKUNOV, M.F.

New data on upper Paleozoic deposits in the Rudnyy Altai. Trudy
VAGT no.3:61-69 '57. (MIRA 11:3)
(Altai Mountains--Geology, Stratigraphic)

MIKUNOV, M.F.; SHMAKIN, B.M.; POLYKOVSKIY, V.S.; BAKALDINA, A.I.

Scientific conference of the Moscow Geological Prospecting
Institute. Izv. vys. ucheb. zav.; geol. i razv. 3 no.12:109-
120 D '60. (MIRA 14:5)
(Prospecting—Congresses)

MIKUNOV, M.F.

Distribution features and the conditions of formation of the
Malaya Ul'ba series in the Rudnyy Altai. Izv. vys. ucheb.
zav.; geol. i razv. 4 no.5:62-70 My '61. (MIRA 14:6)

1. Moskovskiy geologorazvedochnyy institut imeni S. Ordzhonikidze.
(Altai Mountains--Geology, Stratigraphic)

MIKUNOV, M. F.

New Upper Permian Comia from the Kenderlyk trough. Paleont.
shur. no.2:167-170 '62. (MIRA 15:10)

1. Moskovskiy geologicheskoyechnyy institut imeni S. Ordzhonikidze.
(Zaysan District—Paleobotany)

MIKUNOV, V.F.

Recent works on the tectonics of China. Izv. AN SSSR. Ser. geol.
28 no. 2: 50-59 F '63. (MIRA 16:2)

1. Geologicheskii institut AN SSSR, Moskva.
(China—Geology, Structural)

MIKUNOV, V.F.

Structure of the surface of the basement of the eastern part of the Chul'-
man Trough (southern Yakutia). Izv. vys. ucheb. zav.; geol i razv. 7
no.10:3-II 0 '64. (MIRA 18:7)

1. Geologicheskiy institut AN SSSR.

NAGIBINA, M.S.; MIKUNOV, V.F.

Morphology of Mesozoic structures in the southern part of the
Chul'man trough. Izv. AN SSSR. Ser. geol. 29 no.11:25-35 N '64.
(MIRA 17:12)

1. Geologicheskii institut AN SSSR, Moskva.

MIKUNOV, V.F.

Basic characteristics of tectonics and the history of the development of the Chul'man trough (southern Yakutia). Izv. AN SSSR. Ser. Geol. 30 no.4:42-57 Ap '65. (MIRA 18:4)

1. Geologicheskii institut AN SSSR, Moskva.

MIKURTUMOV, S.M.

Hypertrophy of the prostate. *Fel'dsher & akush.* no.3:26-31 Mar 1953.
(GML 24:3)

1. Moscow.

MIKUS, A.; POLAK, S.

Load distribution in hydroelectric power plants. p. 474.

ELEKTROPRIVREDA. (Zajednica jugoslovenske elektroprivrede) Beograd,
Yugoslavia. Vol. 12, no. 10, Oct. 1959.

Monthly List of East European Accessions (EEAI) LC Vol. 9, no. 2, Feb. 1960.

Uncl.

P.T.A. MIKUS, B.

Building Industry
Architecture

625 74

703

Mikus B. Reconstruction of Vertical Roadway Arches.

„Przebudowa drogi w łuku pionowym”. Drogownictwo No 3, 1950,

pp 89-91, 3 figs, 1 tab

The method of plotting vertical arches is somewhat at variance with contemporary requirements; it is, nevertheless sound and can be helpful in practice

LAVICKA, J.; BLAHOS, J.; BRABENCOVA, H.; SITAJ, S.; VIRT, S.;
~~MIKUS, E.~~; KRESANEK, E.; Spolupracovali: MESTAN, J., MUDr.,
SFN - transfuzni stanice, Praha 10; KULICH, Vl., MUDr.,
TS - Plzen; DZAVIK, Vl., MUDr., TS Gelnica; ZOLLNAYOVA,
Trencin, MUDr.; Laboratorni prace: PREUSOVA, H.; NOVAKOVA, A.;
LUSKOVA, K.

Normal levels of blood uric acid in various regions of Czecho-
slovakia. Cas. lek. cesk. 102 no.34:937-941 23 Ag '63.

1. Klinika chorob vnitrnich lekarske fakulty KU v Plzni, pred-
nosta prof. dr. K. Bobek Vyzkumny ustav endokrinologicky v
Praze, reditel doc. dr. K. Silink Vyzkumny ustav chorob rev-
matickych v Piestanech, reditel doc. dr. S. Sitaj Interne
oddelenie OUNZ, Gelnica, veduci MUDR. F. Mikus.
(URIC ACID) (BLOOD CHEMICAL ANALYSIS)

MIKUS, J.

Once again, "The Iron Rings of Slovak Self-Confidence. " p. 119.

MOST. (Spolok slovenskych spisovateľov a umelcov) Cleveland, Czechlovakia.
Vol. 2, no. 3, 1955.

Monthly List of East European Accessions (EEAI), LC, Vol. 9, No. 2, Feb. 1960.
Uncl.

BABAL, M.; DANISKA, J.; MIKUS, J.; SLAVKOVSKA, V.; STRAKOVA, Z.

Contribution to the problem of the simultaneous presence of tuberculosis and cancer of the lungs. Bratisl. lek. listy 44 no.5:292-298 15 S'64

1. Klinika tuberkulozy Lekarskej fakulty Univerzity Komenskeho v Bratislave ; veduci MUDr. J.Jezersky.

MIKUS, Jozsef

Experiences with the adjustment of labor norms at the iron metallurgical enterprises. Munka szemle 6 no.9:7-10 3 '62.

MIKUS, Jozsef

Bonus system of employees in the chemical industry. Munka szemle
6 no.12:7-11 D '62.

SKACEL, Jaroslav; MAREK, Miloslav; MIKUS, Miloslav; KNEZ, Jaroslav;
PAUK, Tomas; BARTAS, Frantisek; OREL, Petr; VYBIRAL, Josef;
BARTH, Vojtech; KNETTING, Petr; FOJT, Bohuslav; DVORAK, Jaroslav;
KOCIAN, Jan.

The 2nd Regional Geological Conference in Opava. Prir cas
slezsky 23 no.1:133-143 '62.

L 38954-66 T DJ

ACC NR: AP6029560

SOURCE CODE: CZ/0057/65/000/011/0488/0493

AUTHOR: Mikus, Rudolf

ORG: TZVRSR Trinec

TITLE: Surfacing of rollers for continuous rolling installations

SOURCE: Hutnik, no. 11, 1965, 488-493

TOPIC TAGS: metal surfacing, welding electrode, temperature stabilization pyrometer, IR radiation

ABSTRACT: The automatic surfacing of rollers makes it possible to weld on the rollers a layer of a highly friction-resistant material. The method allows simultaneous welding by several electrodes on one roller. During the welding the roller may be maintained at the required temperature by gas burners, infrared radiation, or by induction current. The roller temperature may be controlled by contact pyrometers. The workmen are better protected from the heat, and from gaseous byproducts resulting from welding. The welding electrodes may be produced as wire protected by copper on its surface. Orig. art. has: 6 figures and 4 tables. [JPRS: 34,519]

SUB CODE: 13, 17 / SUBM DATE: none

Card 1/1

MIKUSEK, E.

The Jan Sverma Mine in Evnice. p. (3) of cover.

UHLL. (Ministerstvo paliv) Praha, Czechoslovakia. Vol. 1, no. 9,
September 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11,
November 1959.

Uncl.

Z/006/60/000/005/001/001
D006/D102

AUTHOR: Mikušek, Eduard

TITLE: Aids for geophysicists

PERIODICAL: Technické Noviny, no. 5, 1960, 5

TEXT: The vývoj geofysikálních přístrojů, Ústřední správa výzkumu a těžby radioaktivních surovin Jáchymov (Geophysical Instrument Development Section, Central Administration of Research on and Production of Radioactive Materials, Jáchymov), established in 1956 at a former ceramics plant in Ostrov, designs and builds radiometric geophysical instruments which so far had to be imported. The production program of this installation includes mine and field detectors of radioactive deposits; radiation meters for qualitative classification of uranium ore; radiation meters for automatic sorting of mined ore; highly sensitive scintillation counters; hand and clothing monitors for persons handling radioactive materials; and the portable PPR 01 transistorized gamma-radiation area monitor. In

Card 1/2

Aids for geophysicists

Z/006/60/000/005/001/001
D006/D102

addition to uses in uranium mining, many of these instruments may also find application in other fields; especially, in health, physics and chemistry. There is 1 figure.

Card 2/2

MIKUSEK, J.

SCIENCE

Periodicals: BIULETEN ASTRONOMICHESKIKH INSTITUTOV CHEKHOSLOVAKII BULLETIN OF
THE ASTRONOMICAL INSTITUTES OF CZECHOSLOVAKIA.

Vol. 10, No. 2, March 1959.

KOHOUTEK, L.; MIKUSEK, J. On the determination of angular lengths of
telescopic meteors. In English. p. 50

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5,
May 1959, Unclass.

L 42246-66 EEC(k)-2/T/ENP(t)/ETI IJP(c) JD

ACC NR: AP6031555

SOURCE CODE: CZ/0039/65/026/009/0521/05

AUTHOR: Mikusek, Jaromir

ORG: TESLA Bosnov, n.p., Roznov

TITLE: Epitaxial layer growing technique and its application in the manufacture of semiconductor diodes and transistors

SOURCE: Slaboprudy obsor, v. 26, no. 9, 1965, 521-529

TOPIC TAGS: semiconductor diode, transistor, epitaxial growing, germanium semiconductor, silicon semiconductor

ABSTRACT: The article describes the most important methods of preparing epitaxial layers of germanium and silicon in the manufacture of semiconductor component parts. The mechanism of epitaxial layer growth, the origin of crystallographic defects and layer alloying are discussed. Orig. art. has: 18 figures and 13 formulas. [Based on author's Eng. abstr.] [JPRS]

SUB CODE: 09, 20 / SUBM DATE: 27Feb65 / SOV REF: 003 / OTH REF: 015

Card 1/1

UDC: 621.314.7.002: 621.315.592.002.3

3

L 1145-66 (A) EWP(c)/EWP(j)/EWP(k)/EMI(d)/EMI(e)/I/EWP(1)/EWP(v) - RM
 UR/0206/65/000/014/0074/0074
 678.058.3
 678.065

ACCESSION NR: AP5021998

AUTHOR: Gur'yanov, B. I.; Loshakov, B. P.; Pinovskiy, N. L.; Gavrilova, F. A.;
 Yur'yev, S. I.; Pankov, A. A.; Mikushin, N. S.; Proselkova, Ye. P.

TITLE: A semiautomatic transfer machine for refilling the molds in autoclave
 tire vulcanization. Class 39, No. 172976

SOURCE: 'Byulleten' izobreteniy i tovarnykh znakov, no. 14, 1965, 74

TOPIC TAGS: industrial automation, vulcanization, rubber working machinery

ABSTRACT: This Author's Certificate introduces a semiautomatic transfer machine for refilling the molds in autoclave tire vulcanization. The machine is a closed circular device with a centrally located automatic operator and devices for angular orientation of the molds as well as for opening and steam cleaning them. The machine is designed for complete mechanization of the process of extracting the tire from the mold after opening, regardless of whether the finished tire is in the upper or lower half of the mold. The automatic extraction device is made in the form of a bracket which rotates on a vertical axis. This bracket carries a

Card 1/12

L 1145-66

ACCESSION NR: AP5021996

pair of horizontal discs which move in the vertical direction. These discs are equipped with symmetrically telescoping clamps for grasping the tires from the inside in the upper or lower position.

ASSOCIATION: none

SUBMITTED: 16Oct61

ENCL: 01

SUB CODE: IE

NO REF SOV: 000

OTHER: 000

Card 2/82

GNEDKOVA, V.F., zasluzhennyy vrach Nakhichevanskoy ASSR [deceased];
MIKUSHKIN, G.K.

Anaphylactic shock caused by the introduction of penicillin and streptomycin. Azerb. med. zhur. 40 no.5:68-71 My '63. (MIRA 17:9)

1. Iz Nakhichevanskogo gorodskogo ob"yedinennogo roditel'nogo doma.

VOLYNSKIY, Z.M.; MIKUSHKIN, M.K.

Utilization of an experimental form of hypertension in the evaluation of the effectiveness of Schisandra chinensis in atherosclerosis. Biul. eksp. biol. i med. 50 no. 11:66-70 N '60. (MIRA 13:12)

1. Iz kafedry gosspital'noy terapii No. 2-Nachal'nik - prof. Z.M. Volynskiy) Voenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova, Leningrad.
(SCHISANDRA) (HYPERTENSION) (ARTERIOSCLEROSIS)

S/020/60/132/06/65/068
B011/B003

AUTHOR: Mikushkin, M. K.

TITLE: Hypercholesterinemia Developing in Animals as a
Conditioned Reflex

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 6,
pp. 1454 - 1457

TEXT: Some clinicians assume that the disturbances of the cholesterol metabolism are connected with disturbances of the nervous system. Data hitherto collected on the regulating action of the central nervous system have been insufficient. The paper under review is devoted to a study of an excess of cholesterol in the blood on an experimental model of atherosclerosis in which case the cholesterol stress was replaced by conditioned reflexes. In order to verify this influence of the central system, a study of the entire organism is necessary. For this purpose the author used rabbits and dogs. A model of hypercholesterinemia and atherosclerosis were caused by N. N. Anichkov's method (Ref. 2). 0.2 g/kg of 10% cholesterol solution was introduced daily into the

Card 1/3

Hypercholesterinemia Developing in Animals as a Conditioned Reflex S/020/60/132/06/65/068
B011/B003

rabbits by means of a sound at a temperature of 50°C for four months. Dogs obtained a daily dose of 50 ml of 12.5% cholesterol solution and 1.5 g of methylthiouracyl. The latter was used to suppress the thyroid function since otherwise no experimental atherosclerosis can be effected. In dogs and rabbits alike this treatment caused a strong increase of cholesterol in the blood. One month after interruption of the experiments the content of cholesterol dropped. In this case 5-6 ml of tap water heated to 50°C was introduced into the animals by a sound, whereby the cholesterol level was raised again, as compared to the initial level (Fig. 1). In two rabbits out of eight showing resistance to cholesterol, no excess of cholesterol in the blood could be caused by applying a gastric-suction drain with introduction of water. When no cholesterol was administered for four months, the gastric-suction drain along with water introduction did not cause a cholesterol increase in the blood. The control animals were only administered water without a preliminary introduction of cholesterol. The cholesterol level in the blood remained unchanged five days later. The results obtained prove the principal part played by exogenously introduced cholesterol in the formation of an increased amount of cholesterol in the blood of animals. ✓

Card 2/3

Hypercholesterinemia Developing in Animals as
a Conditioned Reflex

S/020/60/132/06/65/068
B011/B003

The author concludes from the results that a continuous increase of the cholesterol level in animal blood is brought about owing to the gastric-suction drain by way of a conditioned reflex. This is a special kind of reflex. A continuous daily introduction of cholesterol solution always led to an excess of cholesterol in the blood; however, this treatment was preceded by the action of a complex of exteroceptive and interoceptive reflexes. It is clear that application of the entire complex of conditioned reflexes causes hypercholesterinemia as a conditioned reflex even without cholesterol. Thus, the higher sections of the central nervous system participate in the regulation of the cholesterol metabolism. Mention is made of S. S. Khalatov (Ref. 13). There are 2 figures and 19 references: 18 Soviet and 1 American.

ASSOCIATION: Voyenno-meditsinskaya akademiya im. S. M. Kirova (Military Medical Academy imeni S. M. Kirov)

PRESENTED: January 3, 1960, by N. N. Anichkov, Academician

SUBMITTED: December 18, 1959

Card 3/3

MIKUSHKIN, M. K., (USSR)

"Conditioned-Reflex Control of
Cholesterol Metabolism in Animals."

Report presented at the 5th Int'l. Biochemistry
Congress, Moscow, 10-16 Aug 1961.

MIKUSHKIN, M.K.

Signaling role of interoceptive stimuli in connection with
their displacement from the stereotype. Zhur. vys. nerv. deiat.
12 no.4:704-706 J1-Ag '62.

(MIRA 17:11)

1. Kirov Military Medical Academy, Leningrad.

MIKUSHKIN, M.K.

Changes in the magnitude of interoceptive conditioned reflex
during the systematic application of conditioned stimuli. Zhur.
vys. nerv. deiat. 11 no.2:303-305 Mr-Apr '61. (MIRA 14:6)

1. Kirov Military Medical Academy, Leningrad.
(CONDITIONED RESPONSE)

GOLIKOV, A.P., dotsent; MIKUSHKIN, M.K., starshiy nauchnyy sotrudnik

Conference on the problem of atherosclerosis. Kardiologiya
2 no.5:90-94 S-O '62. (MIRA 15:12)
(ARTERIOSCLEROSIS—CONGRESSES)

LISOVSKIY, V.A.; MIKUSHKIN, M.K. (Leningrad)

Effect of oxygen on the development of experimental
atherosclerosis in rabbits. Pat. fiziol. i eksp. terap.
6 no.1:33-36 Ja-F '62. (MIRA 15:3)

1. Iz kafedry gosptal'noy terapii No.2 (nachal'nik - prof.
Z.M. Volynskiy) Voenno-meditsinskoy ordena Lenina akademii
imeni Kirova.
(ARTERIOSCLEROSIS) (OXYGEN) (CHOLESTEROL METABOLISM)

MIKUSHKIN, M.K.; GOLIKOV, A.P.; PINCHUK, V.M.

Effect of corn oil on the processes of fatty degeneration of the liver and biosynthesis of cholesterol in experimental atherosclerosis. Biul. eksp. biol. i med. 53 no.4:53-56 Ap '62. (MIRA 15:4)

1. Iz kafedry voyenno-morskoy i gosital'noy terapii (nachal'nik - prof. A.M.Volynskiy) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova, Leningrad. Predstavlena akademikom N.N.Anichkovym.
(CORN OIL--PHYSIOLOGICAL EFFECT) (ARTERIOSCLEROSIS)
(LIVER--DISEASES) (CHOLESTEROL)
(SUNFLOWER SEED OIL--PHYSIOLOGICAL EFFECT)

GOLIKOV, A.P.; MIKUSHKIN, M.K. (Leningrad)

Symposium on the prevention and treatment of atherosclerosis.
Terap. arkh. 34 no.12: 118-119 D'62. (MIRA16:6)
(ARTERIOSCLEROSIS—CONGRESSES)

GOLIKOV, A.P., dotsent; MIKUSHIN, M.K. (Leningrad)

First (constituent) All-Union Conference of Cardiologists.
Kardiologiya 3 no.3:91-94 My-Je'63. (MIRA 16:9)
(CARDIOLOGY—CONGRESSES)

MIKUSHKIN, M.K.

All-Union Conference of Cardiologists. Terap. arkh. 35 no.5:
110-112 Ky'63 (MIRA 16•12)

MIKUSHKIN, M.K.

Effect of a stereotype on the cholesterol content in the tissues of rabbits in experimental atherosclerosis. Trudy Inst. klin. i eksper. kard. AN Gruz. SSR 8:187-188 '63. (MERA 17:7)

1. iz kafedry voyenno-morskoy i gosital'noy terapii Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova, Leningrad.

MIKUSHKIN, M.K.

Effect of ginseng on the development of experimental atherosclerosis in rabbits. Mat. k izuch. zhen'. i drug. lek. rast. Dal'. Vost. no.5:143-147 '63. (MIRA 17:8)

1. Voenno-meditsinskaya ordena Lenina akademiya imeni Kirova.

VOLYNSKIY, Z.M., prof.; MIKUSHKIN, M.K.

Intrauterine disorder of cholesterol metabolism and development of
lipoidosis in the fetus; experimental study. Kardiologiya 4
no.6:21-24 N-D '64. (MIRA 18:8)

1. Kafedra voyenno-morskoy i gospiatal'noy terapii (nachal'nik -
prof. Z.M.Volynskiy) Voyenno-meditsinskoy ordena Lenina akademii
imeni S.M.Kirova, Leningrad.

TOMCHIN, B.Z., inzh.; MIKUSHKO, A.V., inzh.

Chill casting of cable jointing sleeves. Vest. sviazi 22 no.10:
18-19 0 '62. (MIRA 15:11)

(Electric cables)

MIKUSIK, Arpad; VASZKO, Sandor; ELEKES, Zsigmond

What is being done for the success of the export? Munka 14 no.4:
15-16 Ap '64.

1. Editor, "Vasas" (for Mikusik). 2. Head, Trade Union Production
Committee, Beloiannis Telecommunication Factory, Budapest (for
Vazko). 3. Head, Trade Union Production Committee, Telephone
Factory, Budapest (for Elekes).

MIKUSINSKI, J. (Katowice)

On continuous derivatives of functions of several variables.
Rocz prae-matem no.7:55-58 '62.

MIKUSINSKI, J. (Warszawa)

Operators and distributions. Studia math Ser spec no. 1:77-78 163.

MIKUSINSKI, J.

A definition of the Lebesgue integral. *Bull Ac Pol ser 12* no.4:
203-204 '64.

1. Institute of Mathematics, Polish Academy of Sciences, Warsaw.
Presented by A. Mostowski.

Mikusiński, Jan G.- Sur la notion de point remarquable dans la géométrie du triangle. Ann. Univ. Mariae Curie-Skłodowska, Sect. A, 1, 41-44 (1946). (French. Polish summary)

The author proposes to clarify the notion of a "remarkable point" of the geometry of the triangle. These points are "remarkable" whose barycentric coordinates are given

are "remarkable" whose barycentric coordinates are given by three homogeneous functions of the sides of the triangle, the functions fulfilling certain conditions, or postulates, set up for the purpose. The coordinates of known remarkable points, like the orthocenter or the circumcenter, satisfy the specified conditions. No attempt is made to use those conditions to obtain new remarkable points exhibiting some geometrical properties of interest.

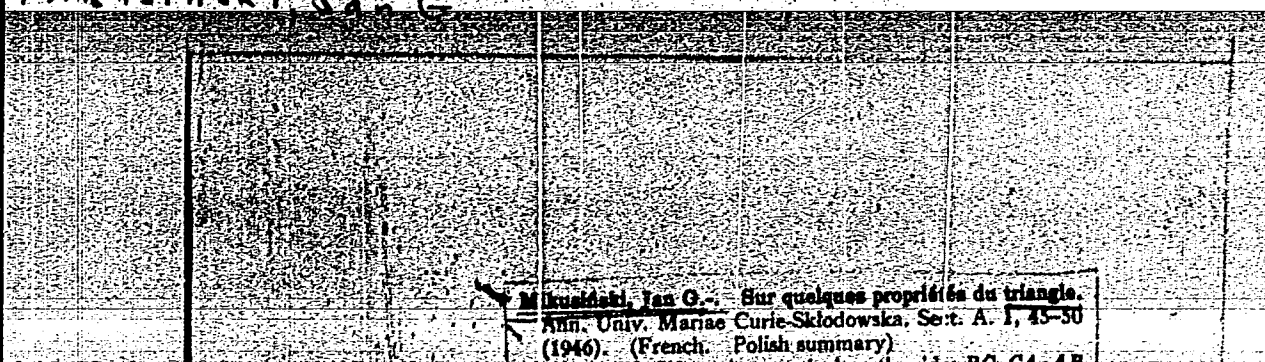
N. A. Court.

Source: Mathematical Review,

Vol 7

No. 6

Sm...



1946-1947

Mikusiński, Jan (1946) Sur un problème d'interpolation
pour les intégrales des équations différentielles linéaires.
Ann. Soc. Polon. Math. 19, 165-205 (1946).

The problem of interpolation here considered is the following one. Given a differential system

$$(1) \quad \frac{dx_i}{dt} = \sum_{k=1}^n f_{ik}(t) \cdot x_k + g_i(t), \quad i=1, \dots, n,$$

and n distinct values $t_k, k=1, \dots, n$, does there exist a solution of (1) for which any predesignated subset of n of the quantities $x_i(t_k)$ take on prescribed values? In terms

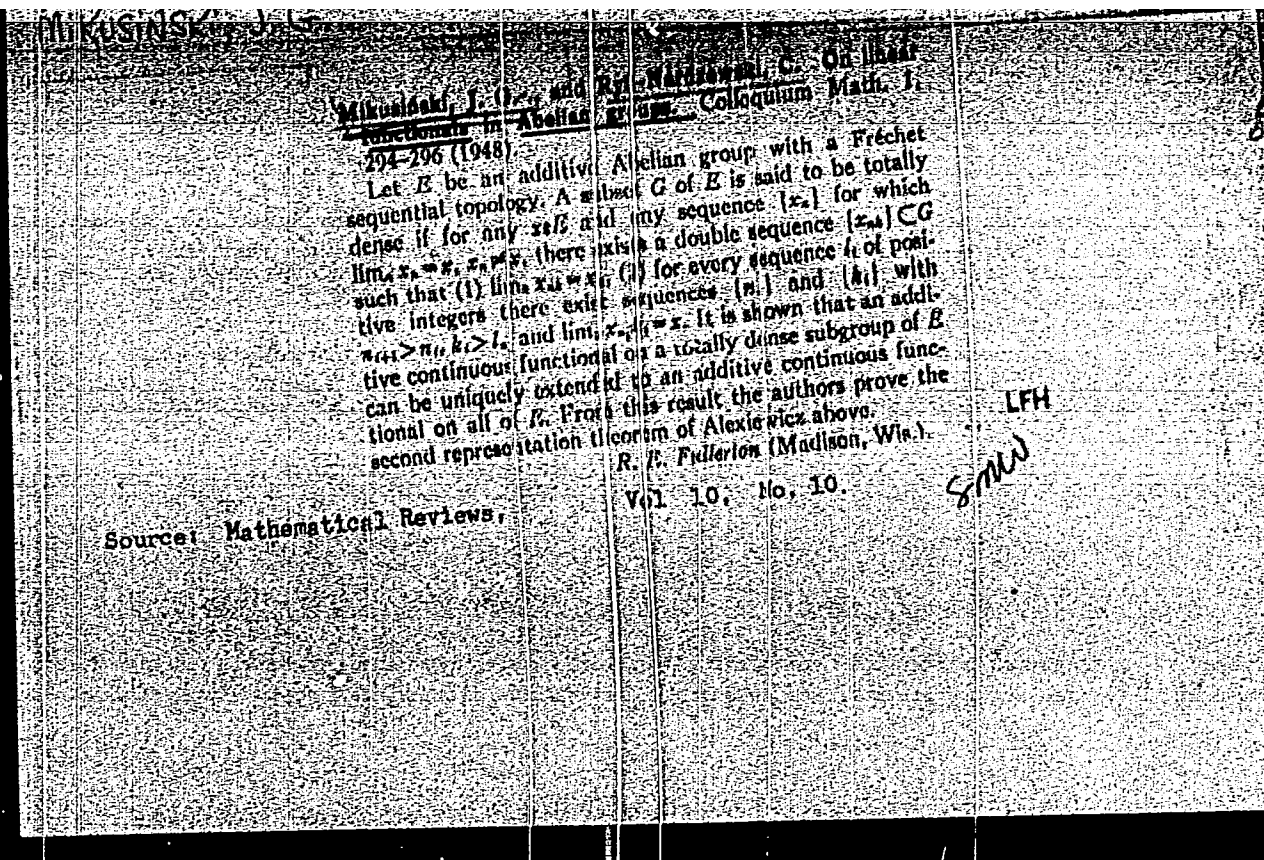
Source: Mathematical Reviews,	1948, Vol 9, No, 1	8 ^m

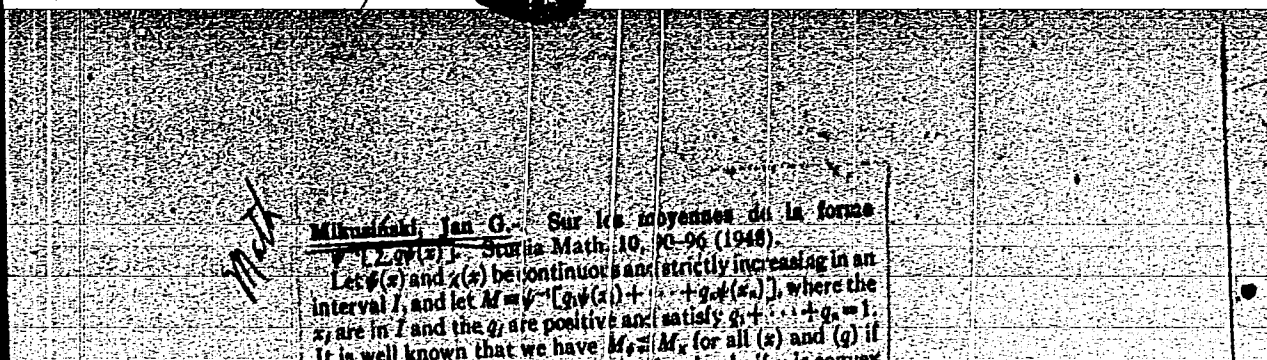
M. KUSINSKI, Jan G.		
Mikusiński, Jan G., L'analyse algébrique et ses applica- tions aux fonctions linéaires. I. Ann. Univ. Mariae		

Curie Skłodowska, Sect. A, 1-48 (1947). (French.
Polish summary)

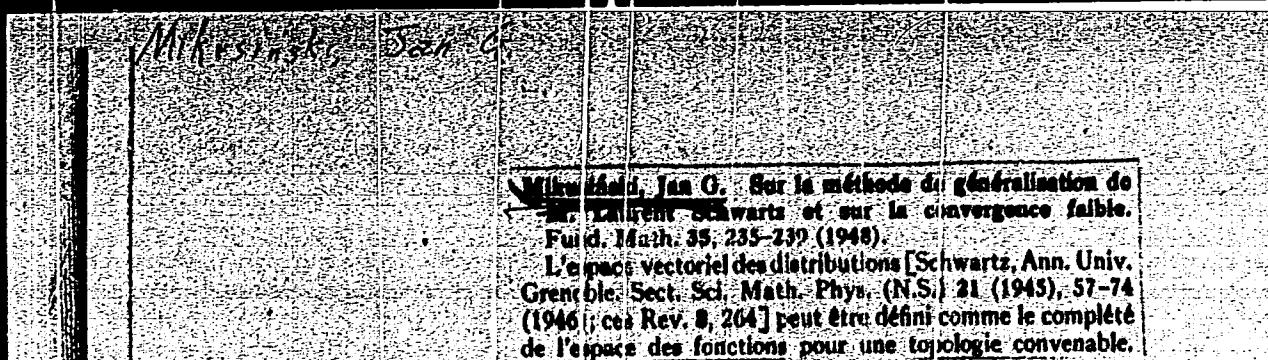
The algebraic part of a previous note is given in more detail. Consider the class of functions which are summable on $0 \leq t < T$ where, if T is nonfinite, the existence of a Laplace transform is postulated. The M topology is used. With convolution as product this function class yields a ring. The author imbeds this ring in one obtained by the adjunction of the complex number field in the usual way and so obtains an identity element. Thus the rings considered are normed rings, though neither the fact nor the literature is cited in the paper. There are novelties in the approach to the application of the paper. This approach follows the classic developments of Volterra, but the explicit

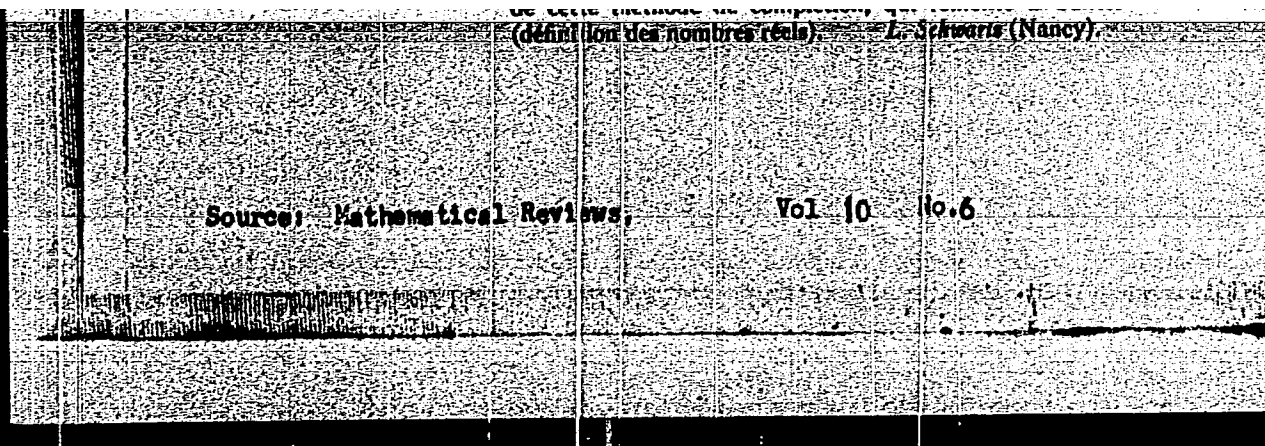
Finite range.	D. J. Burjén (Princeton, N. J.)		
Source: Mathematical Reviews,	Vol	10	No. 4
Mikusinski, J. G.			

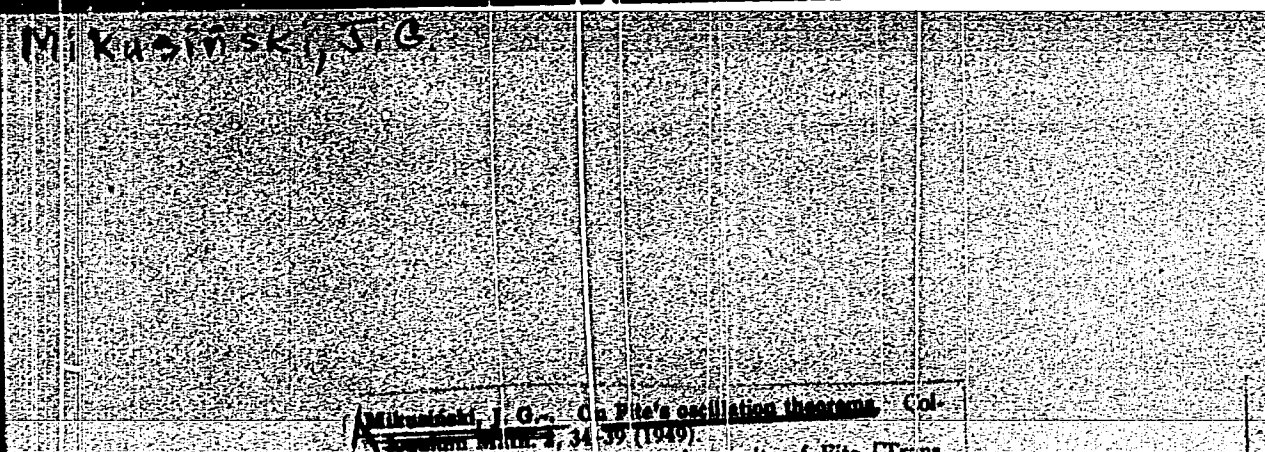




Source: Mathematical Reviews,		Vol. 9	No. 9
MIKUSINSKI, JAN G.: On the Averages of the Form $\psi^{-1}[\sum q \psi(x)]$			
		87-3	







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CIA-RDP86-00513R001134210020-7

FOLLOWED BY		V. Levinson (Cambridge, Mass.)		SMH RH	
Source: Mathematical Reviews,		Vol. 12		No. 1	

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001134210020-7"

Mikusiński, Jan G.

Mikusiński, Jan G. - L'anneau algébrique et ses applica-
tions à l'analyse fonctionnelle. (Jl. Ann. Univ.
Marie Curie-Skłodowska. Sect. A. 3, 1-84 (1949).
(French. Polish summary)
Continuation of a previous paper [same Ann. Sect. A. 2,
1-48 (1947); these Rev. 10, 259, (56)]. This paper contains
with more details the results of another paper [see the
following review], but most of these details could have been
avoided by using the classical results of algebra, topology,

Mikusiński, Jan O. Sur les fondements du calcul opératoire. *Studia Math.* 11, 41-70 (1949).

Let $\mathcal{A}$ be the commutative algebra of the complex continuous functions $f(z)$ over the half straight-line $z \geq 0$, the multiplication being defined by the convolution

$$(f, g) \rightarrow f \cdot g = \int_0^z f(x-t)g(t)dt.$$

The topology is defined by uniform convergence over every compact set. This algebra has no zero divisors [Titchmarsh, *Introduction to the Theory of Fourier Integrals*, Oxford University Press, 1937, p. 327; *Chim. Quart. J. Math. Oxford Ser. (1)* 12, 108-111 (1941); these *Rev.* 3, 35].

does not seem to exist. No generalization is possible for the whole real axis.

A pseudotopology is introduced in $\mathcal{A}$ in the following way. An application $\lambda \rightarrow X(\lambda)$ of a topological space Λ into $\mathcal{A}$ will be continuous (respectively, differentiable, ...) if there is a fixed element g of $\mathcal{A}$ such that $\lambda \rightarrow g \cdot X(\lambda)$ of Λ into $\mathcal{A}$ is continuous (respectively, differentiable, ...). It is proved that any differential equation of the form $a_n X^{(n)}(\lambda) + a_{n-1} X^{(n-1)}(\lambda) + \dots + a_0 X(\lambda) = B(\lambda)$ has at most one solution for initial Cauchy values (the proof is given for $n=1$, partially for $n=2$ in another paper [Ann. Soc. Polon. Math. 22, 157-160 (1949); these *Rev.* 12, 8], and for any n by Doob and Mikusiński [Scandin. Math. 11

of support exists here: the primary importance of	Source: Mathematical Reviews,	Vol. 12, No. 3	L. Schwarz (Nancy).

MIKUSIŃSKI, JAN G.

Mikusiński, Jan G., Sur certains espaces abstraits.
Fund. Math. 36, 125-130 (1949).
Let A be an additive Abelian group and let $A^+ \subset A$ be
the set of "nonnegative elements" of A satisfying (1) $0 \in A^+$,
(2) $a, b \in A^+$ imply $a + b \in A^+$, (3) if $a \in A^+, b \in A$ imply $a + b \in A^+$.

and that the above definition of A^+ is to well-known

(2) $a, b \in A^*$ imply $a \leq b$ if and only if $a \in A^*$ and $b - a \in A^*$. (3) If $a \in A^*$, $b \in A^*$ imply $b - a \in A^*$. For any positive integer λ , then $a \in A^*$ implies $\lambda a \in A^*$. Then A^* defines a partial order on A and an absolute value function $|a|$ from A to A^* with the usual properties. A sequence $\{a_n\}$ of A is said to converge if there exists $c \in A^*$ such that if λ is any positive integer $\lambda |a_m - a_n| \leq c$ for m, n sufficiently large. Then A_1 is defined to be a linear space with the above properties. It is shown that certain classes of functions form spaces of type A and A_1 under the natural partial ordering,

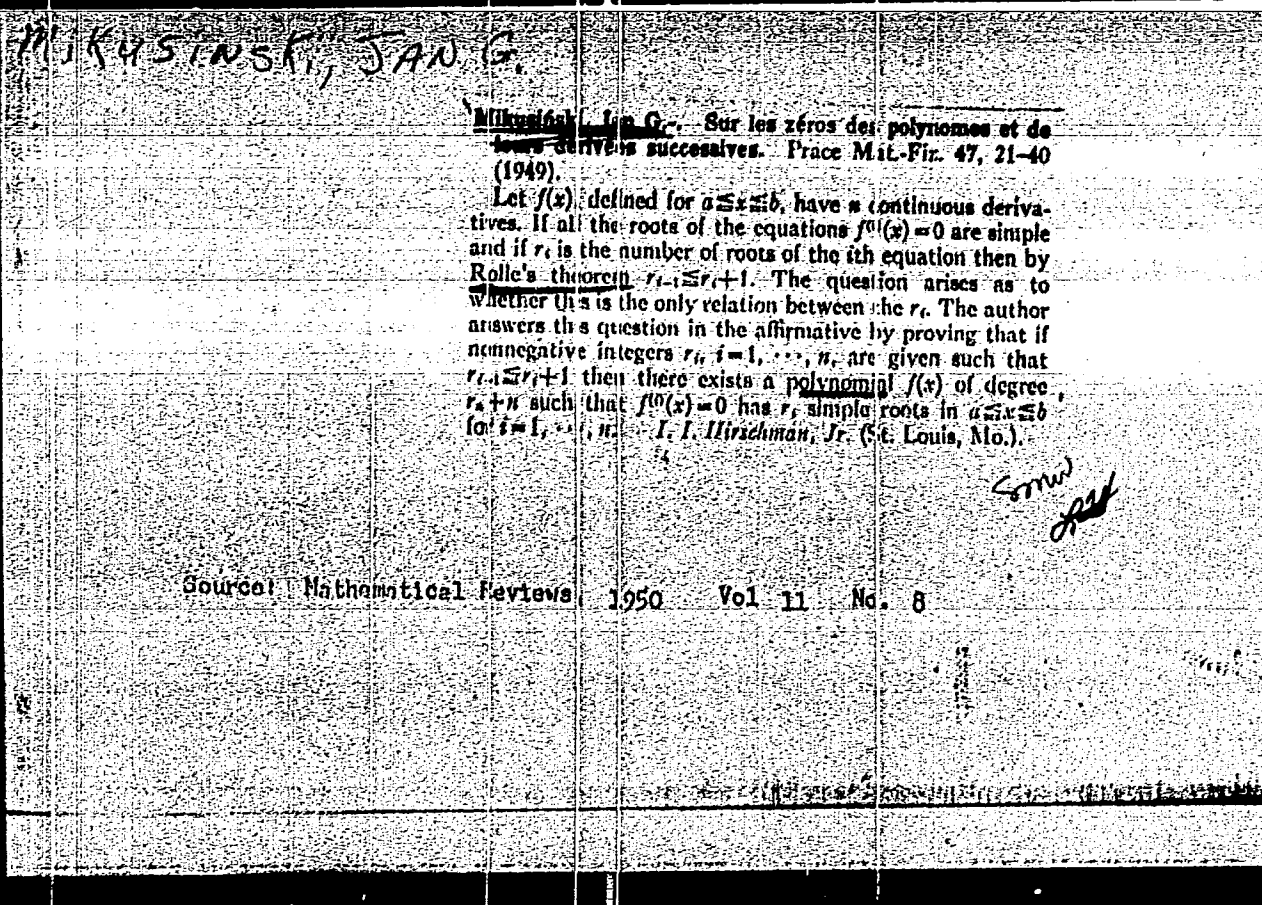
and that the above definition of convergence is equivalent to well-known types of convergence in these classes. For example, convergence almost everywhere of sequences of measurable functions; and convergence on compact sets for sequences of continuous functions can be characterized in this manner.

R. E. Fullerton (Madison, Wis.)

Source: Mathematical Reviews,

Vol 12, No. 2

8/11/54



MIKUSINSKI, JAN G

Mikusinski, Jan G., Sur le calcul opératoire. Casopis
Mat. Mat. 74 (1949), 80-94. (1950). (French.
Polish summary)
Summary of a lecture.

Source: Mathematical Reviews,

Vol. 12 No. 0

Sm. 1950

MIKUSINSKI, JAN E.

Mikusinski, Jan G. Remarks on the moment problem and a theorem of Pólya. Colloquium Math. 2, 133-141 (1951).

On démontre le théorème suivant: Si la fonction $f(x)$ est intégrable dans l'intervalle fini $0 \leq x \leq b$, et si, désignant par $a_n = a + n\delta$ une progression arithmétique de termes positifs, on a, pour un $\epsilon > 0$,

$$\int_0^{a_n} x^n f(x) dx = o[(a + \epsilon)^n],$$

alors $f(x) = 0$ presque-partout dans (a, b) . L'introduction du terme ϵ doit servir évidemment pour comprendre le cas $\delta = 0$. D'autre côté l'hypothèse équivalente évidemment $\int_0^{a_n} x^n f(x) dx = o[(a + \epsilon)^n]$ suppose qu'il existe un q ($0 < q < 1$) tel que

$$\lim_{n \rightarrow \infty} \frac{1}{n} \int_0^{a_n} x^n f(x) dx = 0.$$

Aux moyen d'un changement convenable de la variable et de la fonction, cette hypothèse revient alors à supposer qu'en posant, dans le cas où $a \neq 0$, $e' = (x/a)^q$, $T = \log(b/a)^q$,

$$\alpha(\xi, t) = e^{t\xi} \int_0^T e^{-t\tau} q(\tau) d\tau \quad (t \text{ entier positif}),$$

on a $\lim_{t \rightarrow \infty} \alpha(\xi, t) = 0$. En appliquant une identité de Phragmén [Acta Math. 28, 351-368 (1904)] on déduit que

pour tous les valeurs de t , $0 < t < T$, $\int_0^T q(\tau) d\tau = 0$ et par suite la fonction sous le signe est nulle presque-partout. Le cas où $q = 1$ se résout par un petit détour. B. Loe.

Source: Mathematical Reviews.

Vol 13 No. 3

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MIKUSKI, J. G.

MIKUSINSKI, J. G.,
RYLL-NARDZEWSKI, CZ.: On the Composition Products

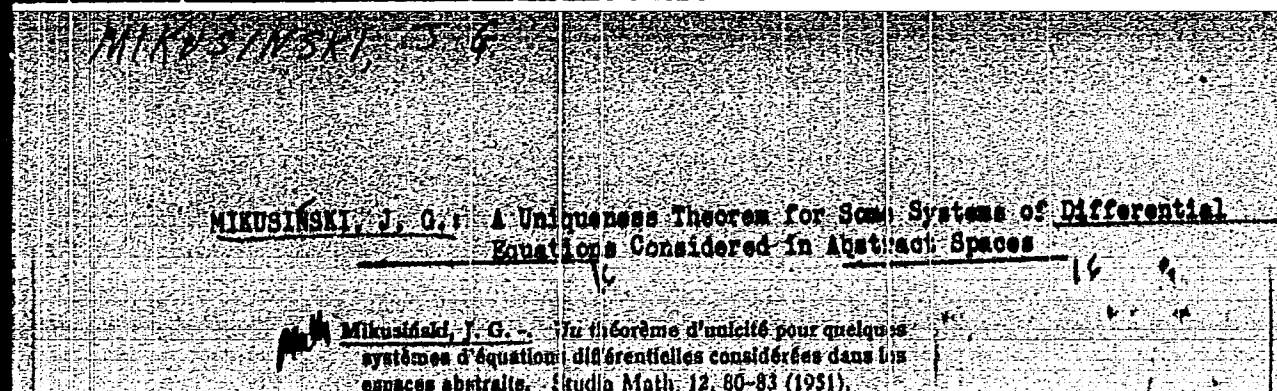
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Mikusinski, J. G., et Ryll-Nardzewski, Cz. Sur le produit
de composition. Studia Math. 12, 51-57 (1951).
Série de remarques simples sur les propriétés de continuité
et différentiabilité du produit de composition de deux fonc-
tions, à partir des propriétés de chacune d'elles.
L. Schwartz (Nancy).

[Handwritten mark]

Source: Mathematical Reviews.

Vol 13 No. 3
13 3



REV. 12/81] The differential equations in question can be given the form $aX'(\lambda) = BX(\lambda) + F(\lambda)$, $a \neq 0$, where λ ranges over a real interval (α, β) , X and F are functions with values in an n -dimensional vector space over a commutative ring R without divisors of zero, and B is an $n \times n$ matrix operator with entries from the ring. Differentiation of functions with values in the ring is any formally defined process postulated to satisfy certain of the usual rules. The uniqueness theorem is proved by induction, the case $n = 1$ having been proved in the earlier paper mentioned above. *A. E. Taylor.*

fmw

Source: Mathematical Reviews,

Vol. 13, No. 3

MIKUSIŃSKI, J. G.

Aczel, J., Kalmár, L., et Mikusiński, J. G., Sur l'équation
de translation. *Studia Math.* 12, 112-116 (1951).

The functional equation in question is

$$(1) \quad f[f(x, u), v] = f(x, u+v),$$

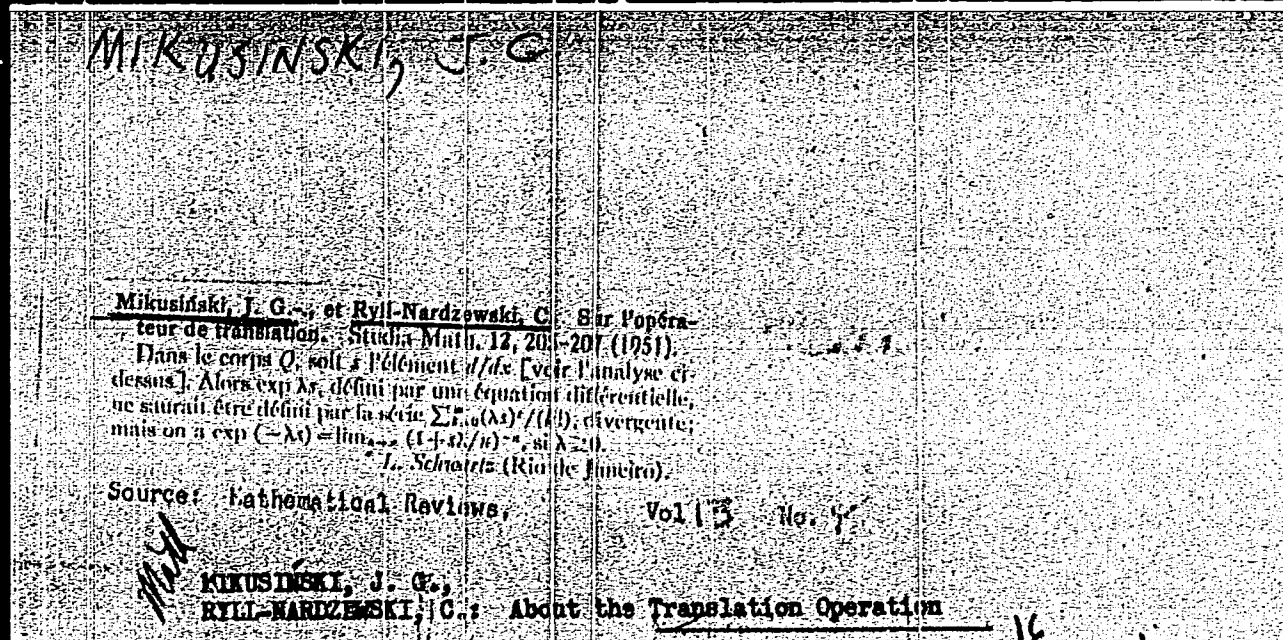
and its solutions are characterized under various assumptions regarding f . It is supposed that the function $f(x, u)$ is defined for $a < x < b$, $-\infty < u < +\infty$ (with $a = -\infty$, $b = +\infty$ permitted) and that its values lie in (a, b) . A typical result: Let $f(x, u)$ satisfy the following four conditions:

- (a) For some number $x_0 \in (a, b)$, f satisfies (1) for $x = x_0$ and $-\infty < u, v < +\infty$;
- (b) $\Omega(u) = f(x_0, u)$ is strictly monotonic;
- (c) $f[\Omega(u), v] = \Omega(u+v)$, so that (2) follows on taking $u = \omega(x)$ as the inverse of $x = \Omega(u)$. Other results lead to the same solution (2) on the assumption of weaker hypotheses.
- (d) $f(x, u)$ is strictly monotonic in x for a non-denumerable set of values of u . Then $f(x, u)$ has the form (2) $f(x, u) = \Omega[\omega(x) + u]$, where $\omega(x)$ is continuous and strictly monotonic and carries (a, b) into $(-\infty, +\infty)$. The proof is made by showing that Ω is continuous and satisfies

Source: Mathematical Reviews, Vol 13 No. 3

J. M. Sheffer (State College, Pa.)

SMAN



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CIA-RDP86-00513R001134210020-7

Y. RYLO-NARDZINSKI, C. : About the translation operation

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CIA-RDP86-00513R001134210020-7"

MIKUSINSKI, J. G.

MIKUSINSKI, J. G.: On the Exponential Functions of the Operator
Calculus

Mikusinski, J. G.: Sur les fonctions exponentielles du
calcul opératoire. Studia Math. 12, 208-224 (1951).

Dans le corps des fractions Q de l'algèbre de convolution
des fonctions numériques continues sur $(0, +\infty)$. [Studia

polynôme et π est noté π . L'article pour prouver démon-
 trer que, si π (usuellement p) est l'opérateur de dérivation
 p/dx , considéré comme élément de $\mathbb{Q}$, alors $\lambda \pi$ est un log-
 arithme pour $\alpha \leq 1$, ou pour $\alpha = 1$ et λ réel, et ne l'est pas
 dans les autres cas. Ce théorème a des conséquences impor-
 tantes dans la théorie des équations aux dérivées partielles
 ou intégral-différentielles.

L. Schwarz

Source: Mathematical Reviews.

Vol 13

No. 8

MIKUSINSKIY, Yo. G.

Mathematical Reviews
Vol. 15 No. 1
Jan. 1954
Algebra

✓
Mikusiński, J. G.-. Sur un déterminant. Ann. Soc.
Polon. Math. 25 (1952), 27-29 (1953).

The determinant considered generalizes that of Vandermonde, and the product expansion obtained is a generalization of the well-known expression for the latter.

L. M. Blumenthal (Columbia, Mo.).

MIKUSINSKI, J.

New books published:

J. Mikusinski: Rachunek operatorow (Monogr. Matl, Vol. 30). Polskie Tow Matem., Warszawa 1953, 368 p.--Zl. 20.

SO: Nouvelles Mathe. Internationale (Intl. Mathe. News) July 1954 (publ. Vienna) [REDACTED]

MIKUSINSKI, J. G.

Mathematical Reviews

Vol. 15 No. 1

Jan. 1954

Analysis

7-13-54
LL

2

Mikusinski, J. G. On the operational calculus. Zastosowania Mat. I, 28-40 (1953). (Polish. Russian and English summaries)

In this expository paper the author describes briefly Heaviside's operational calculus. He contends that the "realization" of the operational calculus by means of the Laplace transformation, while precise, changes the character of the calculus. He advocates the extension of the concept of numbers, functions, etc., to accommodate the entities of

operational calculus, and describes briefly the extension of the ring of convolution algebra to a field. The paper was written in 1950 and should not be taken as representing the ultimate achievement of its author in this field.

A. Erdelyi (Pasadena, Calif.).

MIKUSINSKI, J. G.

Mathematical Reviews
Vol. 15 No. 4
Apr. 1954
Analysis

8-24-54
LL

✓
Mikusiński, J. G. On the Paley-Wiener theorem.
Studia Math. 19, 287-295 (1955).

The author proves that if $F(s)$ is analytic and of exponential type h in $\operatorname{Re} s > 0$ with boundary values $F(iy)$, and if $F(iy) \in L^p$, $1 \leq p \leq 2$, then $F(s)$ is represented by the absolutely convergent integral $\int_{-\infty}^{\infty} f(t) e^{st} dt$. Here $f(t)$ is the Fourier transform of $F(iy)$ (in the appropriate sense) and vanishes almost everywhere for $t < -h$. The author's proof is of interest, but the theorem itself seems to be implicit in work of Paley and Wiener [Fourier transforms in the complex domain, Amer. Math. Soc. Colloquium Publ. vol. 19, New York, 1934, p. 8, for $p=2$] and Hille and Tamarkin [Fund. Math. 25, 329-352 (1935), p. 345].

R. P. Boas, Jr. (Evanston, Ill.).

Ⓜ math

auth.

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Polish contemporary mathematics

Prace Matematyczne, 1, 2 (Mathematical Transactions, Vol. 1, 2).
Warszawa, Państwowe wydawnictwo, 1955. 441 p. 1463 copies printed.
Errors all inserted.

Editorial Committee: Wladyslaw Orlicz (Chief Ed.), Stefan Dubois (Deputy Chief Ed.), Adam Malacki, Stanislaw Korman, Jan Kinnisinski, Roman Skibinski, Marek Skar, Hanna Kormanowicz, Krystyna Teclawicz, and Wladyslaw Orlicz.

NOTE: This book is intended for mathematicians.

CONTENTS: The book consists of a collection of articles on analysis, series, and function theory. Among the topics discussed are: the solution of differential equations, set translation, power series, measure by a function, operational calculus, approximation of a function, and functional spaces. References and summaries in English and Russian are found at the end of most of the articles. No personalities are mentioned.

Mazur, E. On a Certain Elementary Power Series 284

Rasowski, B. On Certain Theorems Concerning Irreducibility of Polynomials 272

Skibinski, E. On a Certain Power Series 276

Skibinski, E. On the Determination of Measure by a Function of an Elementary Piece 265

Skibinski, E. Some Properties of the Poci of a Conical, Derived by Means of the In La Prunays Perceptograph 292

Skibinski, E. Almost Periodic Functions 305

Skibinski, J. Operational Calculus in the Light of Present-Day Mathematical Trends 344

Skibinski, E. On the Errors in Approximating a Function by the First Term of its Power Series 371

Skibinski, E. On Perfectly Convergent Series in Certain Functional Spaces 395

Reports from Scientific Sessions of the Polish Mathematical Society 415

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